

WHAT IS CLAIMED IS:

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al* 1. An information processing system comprising:

an operation screen unit capable of displaying information and detecting a touch operation on a surface thereof;

5 a first display control unit controlling display of the information on said operation screen unit; and

an operation mode selecting unit selecting any one of two or more operation modes with respect to the touch operation, wherein a first operation mode provides the touch operation

10 on said operation screen unit with a first function corresponding to the touch operation, and

a second operation mode provides the touch operation on said operation screen unit, instead of providing the first function corresponding to the touch operation, or together with

15 providing the first function, with a second function of displaying a marker for indicating a detection of the touch in a touch position.

2. An information processing system according to claim

20 1, further comprising:

a connecting module for connecting a display device capable of displaying information in addition to said operation screen unit,

wherein said display device is connected via said

25 connecting module,

said first display control unit controls the display of the information on said display device and the display of the

information on said operation screen unit, and

the second operation mode provides the touch operation on said operation screen unit, instead of providing the first function corresponding to the touch operation, or together with providing the first function, with a second function of displaying a marker for indicating a detection of the touch in at least one of a touch position and a display position on said display device which is determined based on the touch operation.

10       3. An information processing system according to claim 2, wherein said first display control unit executes the control so that the information is exclusively displayed on any one of said display device and said operation screen unit, and

15       the second operation mode provides the touch operation on said operation screen unit, instead of providing the first function corresponding to the touch operation, or together with providing the first function, with a second function of displaying a marker for indicating a detection of the touch in at least one of a touch position and a display position on said display device which is determined based on the touch operation.

20       4. An information processing system according to claim 2, further comprising:

25       a second display control unit,

wherein said first display control unit controls display of a first item of information on said operation screen unit,  
said second display control unit controls display of a

- ~~second item of information on said display device, and  
the second operation mode provides the touch operation  
on said operation screen unit, instead of providing the first  
function corresponding to the touch operation, or together with  
5 providing the first function, with a second function of  
displaying a marker for indicating a detection of the touch in  
at least one of a touch position and a display position on said  
display device which is determined based on the touch operation.~~
- 10        5. An information processing system comprising:  
            an operation screen unit capable of displaying information  
            and detecting a touch operation on a surface thereof;  
            a first display control unit controlling display of the  
            information on said operation screen unit; and  
15        a control unit distinguishing between operation modes on  
            said operation screen unit,  
            wherein a touch operation in a first mode on said operation  
            screen unit is provided with a first function corresponding to  
            this touch operation, and  
20        a touch operation in a second mode on said operation screen  
            unit is provided with, instead of providing the first function,  
            or together with providing the first function, a second function  
            of displaying a marker for indicating a detection of the touch  
            in a touch position.  
25        6. An information processing system according to claim  
            5, further comprising:

~~a connecting module for connecting a display device capable of displaying information in addition to said operation screen unit,~~

wherein said display device is connected via said  
5 connecting module,

said first display control unit controls the display of the information on said display device and the display of the information on said operation screen unit, and

the touch operation in the second mode on said operation  
10 screen unit is provided with, instead of providing the first function, or together with providing the first function, a second function of displaying a marker for indicating a detection of the touch in at least one of a touch position and a display position on said display device which is determined based on the touch  
15 operation.

7. An information processing system according to claim  
6, wherein said first display control unit executes the control so that the information is exclusively displayed on any one of  
20 said display device or said operation screen unit, and

the touch operation in the second mode on said operation screen unit is provided with, instead of providing the first function, or together with providing the first function, a second function of displaying a marker for indicating a detection of the touch in at least one of a touch position and a display position on said display device which is determined based on the touch  
25 operation.

8. An information processing system according to claim  
6, further comprising:

a second display control unit,  
5 wherein said first display control unit controls display  
of a first item of information on said operation screen unit,  
said second display control unit controls display of a  
second item of information on said display device, and  
the touch operation in the second mode on said operation  
10 screen unit is provided with, instead of providing the first  
function, or together with providing the first function, a second  
function of displaying a marker for indicating a detection of  
the touch in at least one of a touch position and a display position  
on said display device which is determined based on the touch  
15 operation.

9. An information processing system, to which a display  
unit displaying information and a pointing device for indicating  
coordinates on said display unit are connectable, said system  
20 comprising:

a detection unit detecting an operator's input operation  
of indicating the coordinates by use of said pointing device;  
and  
25 a display control unit displaying a marker for showing  
the respective coordinates on said display unit indicated by  
the input operation.

10. An information processing system according to claim  
9, further comprising:

an operation mode selecting unit selecting any one of a first operation mode for providing a first function of executing  
5 a normal process corresponding to the operator's input operation using said pointing device, and a second operation mode for providing a second function of executing a process different from the first operation mode,

wherein said display control unit executes a process of  
10 displaying the marker on the basis of the selection of the second operation mode.

11. An information processing system according to claim  
9, wherein said display control unit erases the marker after  
15 the marker has been displayed for a predetermined time.

12. An information processing system according to claim  
11, wherein said display control unit, if an elapse time till  
a posterior coordinate indication since an anterior coordinate  
20 indication is longer than the predetermined time, erases the marker displayed by the anterior coordinate indication and displays the marker at the coordinates indicated posteriorly.

13. An information processing system according to claim  
25 9, wherein said pointing device is a touch panel provided on  
said display unit.

14. An information processing system according to claim  
9, further comprising:

a connecting module to which other display device on which  
to set display coordinates corresponding to the coordinates on  
5 said display unit, is connected,

wherein said display control unit controls display of  
information on at least one of said display unit and said other  
display device, and displays the marker on at least one of said  
display unit and said other display device on which the  
10 information is being displayed.

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15. A method of controlling an information processing  
system, to which a display device is connected, having an  
operation screen unit used for displaying information and for  
providing a first function based on a touch operation on its  
surface, said method comprising, when information having the  
same content is displayed on said display device and on said  
operation screen unit, steps of:

detecting a touch operation on said operation screen unit;  
20 and

providing, instead of providing the first function based  
on the touch operation, or together with providing the first  
function, a second function of displaying a marker in a display  
position, corresponding to the detected touch position, on said  
25 display device.

16. A method of controlling an information processing

system, to which a display device is connected, having an operation screen unit capable of displaying information and detecting a touch operation on its surface, said method comprising, when no information is displayed on said operation screen unit, steps of:

detecting the touch operation on said operation screen unit;

displaying a marker in a coordinate position on said display device, which corresponds to a position of the detected touch on said operation screen unit; and

providing a function indicated by the marker on said display device.

17. A method of controlling an information processing system, to which a display device is connected, having an operation screen unit capable of displaying information and detecting a touch operation on its surface, said method comprising, when different items of information are displayed on said display device and said operation screen unit, steps of:

detecting the touch operation on said operation screen unit;

displaying a marker in a coordinate position on said display device, which corresponds to a position of the detected touch on said operation screen unit; and

providing a function indicated by the marker.

18. A storage medium readable by a machine, tangible embodying a program of instructions executable by the machine to perform method steps for processing in response to user instruction using an operation screen unit, the method steps comprising:

setting an operation screen unit capable of displaying information and detecting a touch operation on its surface to any one of two operation modes,

displaying the information on at least one of said 10 operation screen unit and other display device connected to the information processing system;

providing the touch operation on said operation screen unit with a first function corresponding to the touch operation in a first operation mode; and

15 providing, in a second operation mode, the touch operation on said operation screen unit, instead of providing the first function corresponding to this touch operation, or together with providing the first function, with a second function of displaying a marker for indicating a detection of the touch in 20 at least one of a touch position and a display position on said display device which is determined based on the touch operation.

19. A storage medium readable by a machine, tangible embodying a program of instructions executable by the machine to perform method steps for processing in response to user instruction using an operation screen unit, the method steps comprising:

~~displaying information on at least one of an operation screen unit capable of displaying the information and detecting a touch operation on its surface and other display device connected to the computer;~~

5       detecting the touch operation on said operation screen unit;

          distinguishing between operation modes on said operation screen unit;

10      providing the operation in a first mode on said operation screen unit with a first function corresponding to the first mode operation; and

          providing the operation in a second mode on said operation screen unit, instead of providing the first function, or together with providing the first function, with a second function of  
15      displaying a marker for indicating a detection of the touch in at least one of a touch position and a display position on said display device which is determined based on the touch operation.

20     20 .A storage medium readable by a machine, to which a display unit can be connected, tangible embodying a program of instructions executable by the machine to perform method steps for processing in response to user instruction using the display unit, the method steps comprising:

25     detecting an operator's input operation of indicating the coordinates on a display unit by use of a pointing device being connected to the computer; and

~~displaying a marker for showing the respective~~

coordinates on said display unit indicated by the input operation.

21. A storage medium readable by a machine tangible  
5 embodying a program according to claim 20, of instructions executable by the machine, the method steps further comprising:

selecting any one of a first operation mode for providing a first function of executing a normal process corresponding to the operator's input operation using said pointing device,

10 and a second operation mode for providing a second function of executing a process different from the first operation mode;  
and

displaying the marker on the basis of the selection of the second operation mode.

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22. ~~A storage medium readable by a machine tangible~~  
embodying a program according to claim 20, of instructions executable by the machine, the method steps further comprising:

erasing the marker after the marker has been displayed  
20 for a predetermined time.

23. A storage medium readable by a machine tangible embodying a program according to claim 22, of instructions executable by the machine, the method steps further comprising:

25 calculating an elapse time till a posterior coordinate indication since an anterior coordinate indication; and  
displaying the marker at the coordinates indicated

posteriorly after erasing the marker displayed by the anterior coordinate indication if the elapse time is longer than the predetermined time.

5        24. A storage medium readable by a machine tangible embodying a program according to claim 20, of instructions executable by the machine, wherein said pointing device is a touch panel provided on said display unit, and  
            said detecting an operator's input operation is a process  
10      of detecting an operator's coordinate indicating operation on  
            said touch panel.

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15      25. A storage medium readable by a machine tangible  
            embodying a program according to claim 20, of instructions  
            executable by the machine, the method steps further comprising:  
                controlling the display of the information on at least  
                one of said display unit provided on said computer and other  
                display device, connected to said computer, on which display  
                coordinates corresponding to the coordinates on said display  
20      unit are set; and  
                displaying the marker on at least one of said display  
                unit and said other display device on which the information is  
                being displayed.